

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ**ДВНЗ «Прикарпатський національний університет імені Василя Стефаника»**

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АКАДЕМІЯ НАУК ВИЩОЇ ШКОЛИ УКРАЇНИ**НАЦІОНАЛЬНА АКАДЕМІЯ НАУК УКРАЇНИ**

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ТЕХНОЛОГІЇ ТОНКИХ ПЛІВОК ТА НАНОСИСТЕМ****Збірник тез***Івано-Франківськ, 20-25 травня, 2019*

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Представлено сучасні результати теоретичних і експериментальних досліджень з питань фізики і технології тонких плівок та наносистем: метали, напівпровідники, діелектрики, провідні полімери; методи отримання та дослідження; фізико-хімічні властивості; нанотехнології і наноматеріали, квантово-розмірні структури, нанoeлектроніка, тощо. Матеріали підготовлено до друку Програмним комітетом конференції і подано в авторській редакції.

Для наукових та інженерних працівників, що займаються проблемами тонкоплівкового матеріалознавства, мікро- та нанoeлектроніки.

Рекомендовано до друку науково-технічною радою Фізико-хімічного інституту ДВНЗ «Прикарпатський національний університет імені Василя Стефаника»

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The results of theoretical and experimental researches in directions of the physics and technology of thin films and nanosystems: metals, semiconductors, dielectrics, and polymers; and methods of their investigation; physic-chemical properties of thin films; nanotechnology and nanomaterials, quantum-size structures; thin-film devices of electronics, are presented. The materials preformed for printing by Conference's Organizational Committee and Editorial Board, are conveyed in authoring edition.

For scientists and reserchers on the field of thin-film material sciences, micro- and nanoelectronics.

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PLENARY SESSIONS



Application of the Project Method in the Educational Process of the Modern School

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The educational project is one of the personality-oriented technologies, a method of organizing students' independent activity, which is aimed at addressing the problem of an educational project, which integrates a problem approach, group methods, reflection, research, search and other techniques [6, P. 102].

During the Project term, the students' autonomy, active stance, initiative and enthusiasm are of paramount importance. Projects can be personal, group or collective.

The purpose of educational design is to enable the teacher to create such conditions during the educational process under which its result is personal experience of the student's project activities.

The ability to use the project technology is indicative of the teacher's high professional skill, his/ her innovative thinking, orientation towards the personal and professional development of the child in the learning process.

As a result of the project, we will obtain both the external result that can be seen, interpreted, applied in practice (presentations, posters, textbooks, memos, etc.) and the internal result, that is, experience including knowledge, skills, competences and values.

The systematic introduction of the project technology at school level (from the elementary level) leads students to gradually mathe ability to study independently, to think critically, but also as a method of organizing and planning his/her subsequent life. This helps train young people who are guided by democratic values in their activities, are inclined to engage in lifelong learning, can compete in the European and world educational space and labor market.

Project activity is a rather promising component of the educational process, as it creates proper conditions for students' creative self-development and self-realization, forms all necessary vital competencies, which at the Council of Europe were defined as the main ones in the XXI century, such as multicultural, linguistic, informational, political and social ones. Independent acquisition and systematization of knowledge, the ability to navigate the information space, to see the problem and make a decision have been made possible as a result of the application of the project method.

Using the project method allows students to acquire communication, theoretical and practical skills and to get an idea of different views of the problem. In so doing students learn how to use research methods to obtain information and to work on their own and in groups, to listen to the opinions of others and to develop productive way of thinking.

1. Pedagogical Technologies in Continuing Education / Edited by S.O.Sysoyeva - K., 2001. - 244 pp.

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